



CROSSRUNNER 50

ATV - All Terrain Vehicle

Age Category: Youth Model Y-6

Only riders age 6 years or older and less than 100 lbs may ride this bike



REASSEMBLY MANUAL

Note: This ATV was fully assembled and tested at the CROSSRUNNER factory.

It was partially disassembled before shipping. This manual gives specific instructions on how to fully re-assemble and check the unit.

Follow all steps closely to assure a safe and long lasting vehicle!

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ATTENTION:

Always read everything before doing anything.

This will help you to know that you have access to all the tools, information, and help you may need to perform all the steps outlined in this manual. Your attention to detail is critical in providing a safe and reliable product to your customer. There cannot be enough emphasis placed on safety when assembling or servicing this ATV. You will be referencing the Owner's Manual, the battery service instructions, and the tire pressure information sticker on the front fender as well as the Re-assembly Manual during this procedure. If you have any questions or concerns pertaining to the assembly or the information found in this booklet, please call 888-520-7222

NOTE: This ATV should be assembled by the selling dealer only. The end user should never do the final assembly or inspection of this ATV.

1. Unpack. Remove shrink wrap, packing straps, and card board box cover. Remove all bolts attaching metal frame work to steel base. Untie wires holding tire and wheel assembly to metal frame. See that bolts are removed that attach handle bar mounting plate and bumpers to metal frame, if applicable, before attempting to lift metal frame work off of base. Carefully lift metal frame work straight up to remove, taking care not to scuff fenders or bumpers while removing. This should not be attempted by one person alone. Two people, lifting together, can remove the frame work without causing damage to the ATV or harm to themselves. Remove small box from shipping frame base containing all hardware, nuts, bolts, tool kit, battery and acid.



Step1-Fig1-Unpack



Step1-Fig2-Included parts

2. Each ATV is shipped with a desiccant bag that is designed to absorb moisture during shipping. It is of no further value once the shipping container is opened and should be discarded immediately to avoid being played with by children or pets.

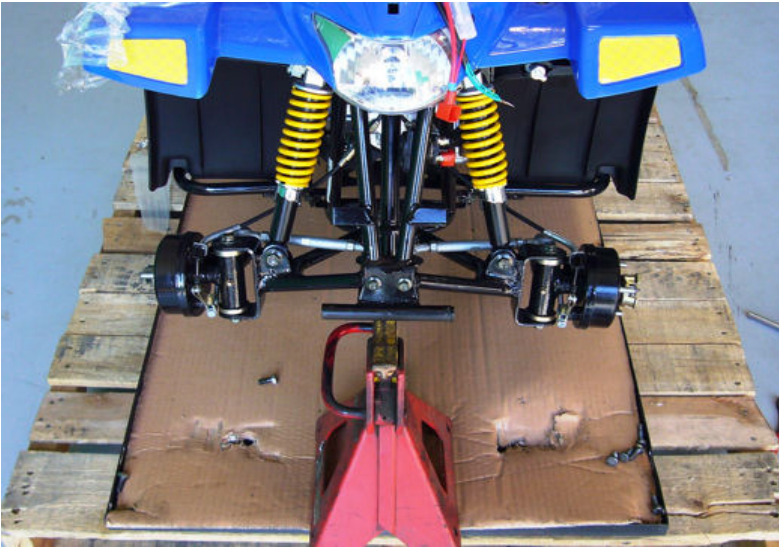


Step2-Fig1-Desiccant bag

3. Set parking brake for rear wheels to prevent ATV from rolling off packing frame base. Lift and support the front end of the ATV with a suitable jack and jack stand that allows the vehicle to remain stable while attaching the front wheels. Install the two front wheels using the lug nuts supplied. Never use any other type lug nut to attach wheels than what was designed for the specific type wheel and ATV.



Step3-Fig1-Set parking brake



Step3-Fig2-Jack support

4. Evenly snug each lug nut by hand in a star pattern. Install the wheel center caps onto the front hub washer snapping firmly into place. Final wheel torque must be done when ATV is sitting on flat ground. DO NOT attempt to perform final wheel torque while ATV is supported on a jack stand.



Step4-Fig1-Hand tightened lug nuts



Step4-Fig2-Install center cap

5. **WARNING!** You must use an air gauge that has increments smaller than 1 PSI to complete this step. Improperly inflated tires can cause loss of control. Use the valve core tool supplied with the ATV tool kit to tighten the valve core in each valve stem before attempting to add air. Inflate the tires to seat the bead, taking care not to exceed the tire manufactures recommendation (printed on the tire sidewall) for maximum pressure to seat the bead. Release air until the correct pressure is noted on the air gauge, according to the tire pressure information label on the front fender of the ATV. Check each valve core for leaks and install valve stem cap.

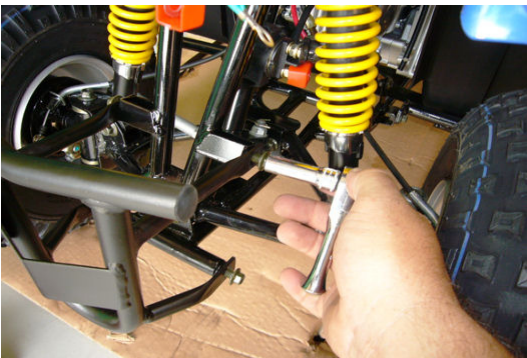


Step5-Fig1-Valve core tool

**Step5-Fig2-Air gage with .5 pound increments**

6. Remove jack or support under front end of ATV and let it rest on all 4 wheels, release parking brake and roll off metal shipping frame onto flat, level surface.

7. Reset the parking brake and perform the final wheel torque procedure. Torque all lug nuts to 26 Ft/Lbs. using a torque wrench with the appropriate increments. Proceed in a star or criss-cross pattern to assure uniform torque results. Install center caps on rear wheels of ATV. Attach front bumper with bolts provided, if applicable to your model, taking care to properly snug all bolts adequately and not over tighten.

**Step7-Fig1-Wheel torque****Step7-Fig2-Front bumper mounting**

8. Install handle bars with the bolts and hardware provided. See that knurled areas on handle bars are evenly spaced between the two halves of the pinch mount supports. Lightly snug attaching bolts and then position handle bars at the desired angle best suited for the comfort and safety of the rider so that all hand controls are easily accessed and operated. The angle of the hand controls is adjustable, as well, by loosening the screws on the underside of the control and pivoting to the desired position, then tightening screws. Turn wheels to full left and full right positions to assure adequate clearance for the rider's legs and to check for binding cables or wiring. Finish tightening handle bar mounting bolts evenly in a criss-cross pattern and torque to 28 Ft/Lbs.

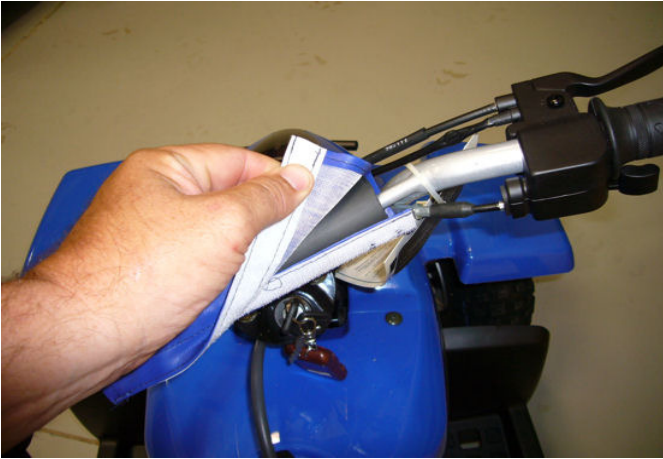


Step8-Fig1-Torque handle bar bolts



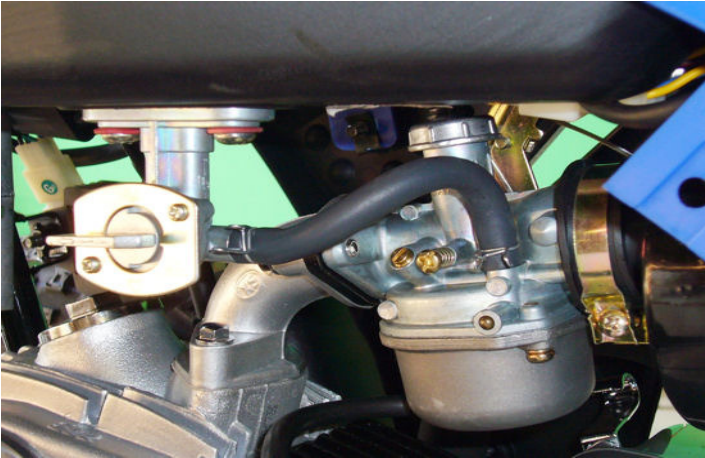
Step8-Fig2-Adjust hand controls

9. Install foam protection pads and cover on center bracket attached to handle bars.



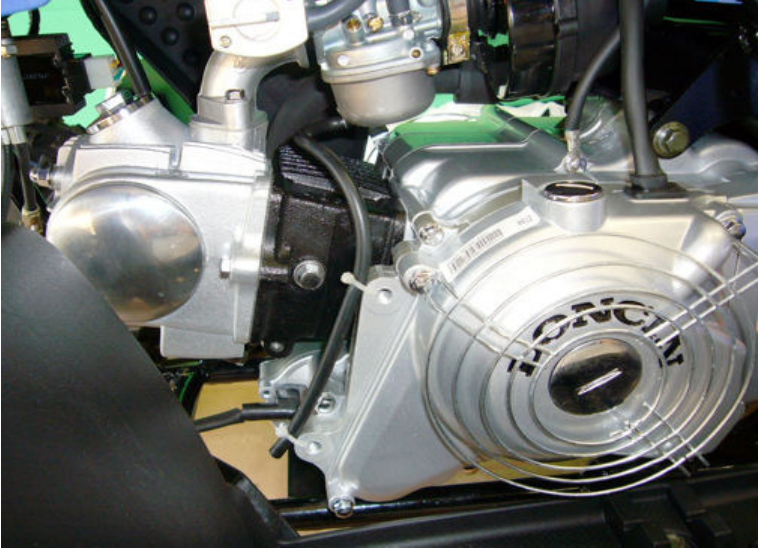
Step9-Fig1-Install handle bar pad

10. All ATV's are shipped with the fuel lines unhooked. Connect the fuel supply line, coming from the fuel tank, to the fuel inlet port on the carburetor securing it with the spring clamp provided on the fuel line. Make sure the fuel line is routed in a manner to avoid kinks and to allow for the proper gravity feed from the fuel tank. Do not run the fuel line near any part of the exhaust or hot section of the engine and take care to tuck it in away from the rider's feet and legs so that it cannot be snagged.



Step10-Fig1-Fuel line routing

11. Inspect the fuel drain hose connected to the bottom of the carburetor at the fuel bowl to assure that it is free of kinks and is clamped or tie wrapped into place. This hose should always be heading in a downward direction. See that the drain screw in the bottom of the fuel bowl is seated in the closed position before adding fuel.

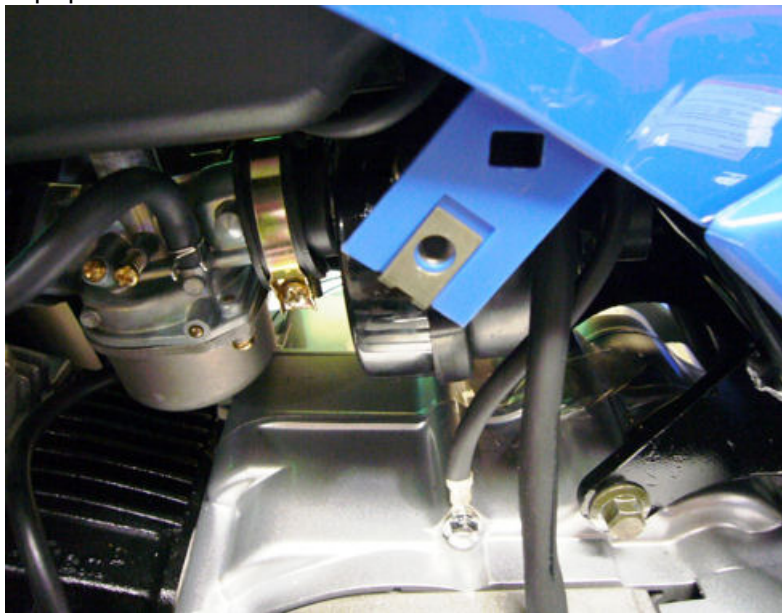


Step11-Fig1-Fuel drain hose routing



Step11-Fig2-Tighten fuel drain screw

12. Install left engine side panel with the 3 screws and threaded clips provided.

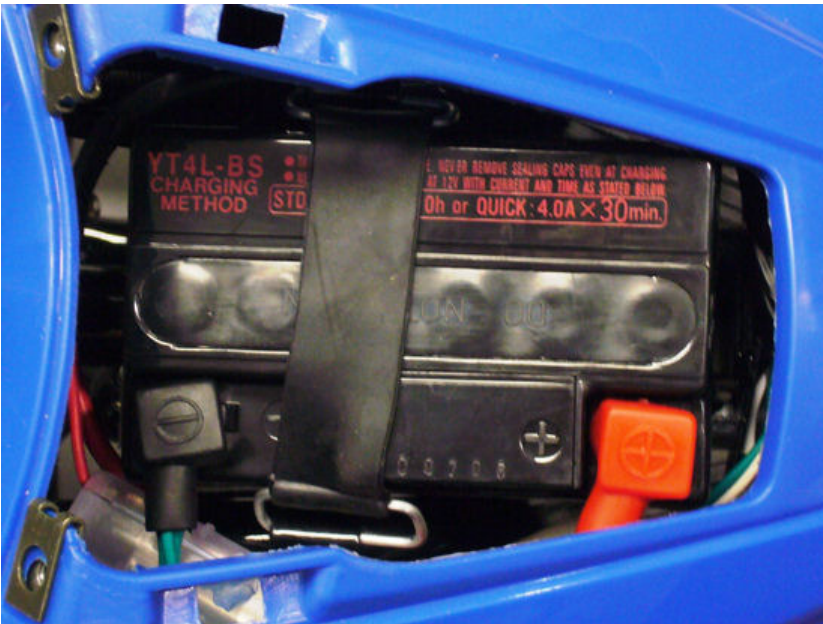


Step12-Fig1-Side panel attachment

13. Caution! Battery acid is very caustic. Gloves and protective clothing should be worn at all times when working with battery acid. Any contact with skin or clothing should be flushed with water immediately. Place battery on rubber or wood surface and carefully fill battery according to instructions provided with the battery. When the battery is full, install the cap and flush with water any acid that may be on or around battery and then test for proper voltage. If the battery meets the voltage specs called for in the battery instructions when tested, install in ATV. The RED cables are positive (+) and the GREEN cables are negative (-). Connect and tighten all battery cable connections and see that the cables or any wiring cannot be pinched when the battery cover is bolted into place. The battery has a dry charge and should meet the 12.5-volt spec when filled with electrolyte. If it does not meet the spec, charge according to the information packaged with the battery and retest.



Step13-Fig1-Battery fill



Step13-Fig2-Battery installation



Step13-Fig3-Battery cover retainer

14. Remove all plastic protective covering from shocks, seat, lights, handle bars, etc.

15. Inspect hose and cable routing for emission, brake, and fuel systems. Make sure that all are secured and not able to bind, kink, or be pinched. Keep them at least 1" or more away from any contact with engine or exhaust.

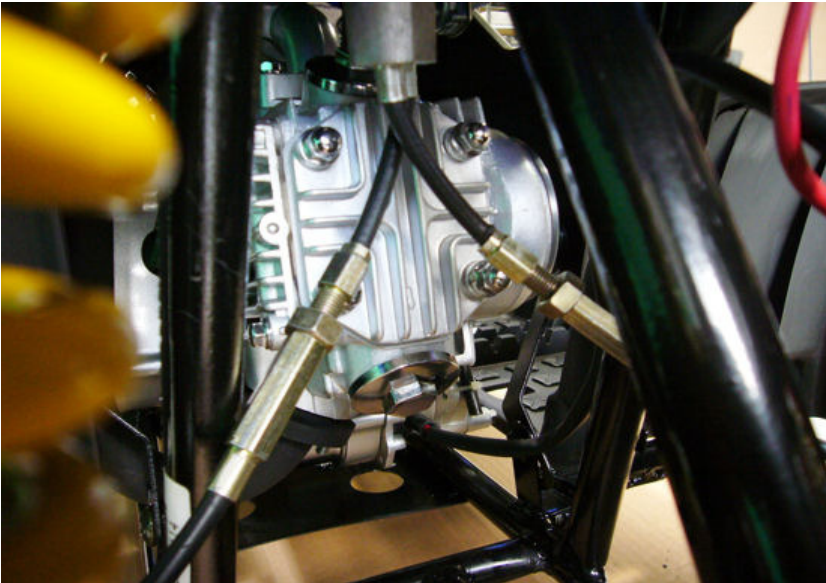


Step15-Fig1-Example of secured cable

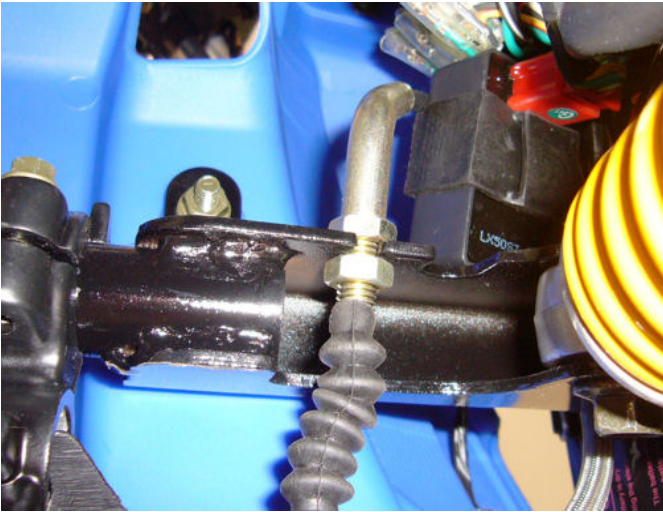
16. Inspect throttle and brake cable free play adjustments. Confirm that all locking nuts for cables are tight to avoid loss of adjustment. See Service Manual for adjustment procedure if necessary.



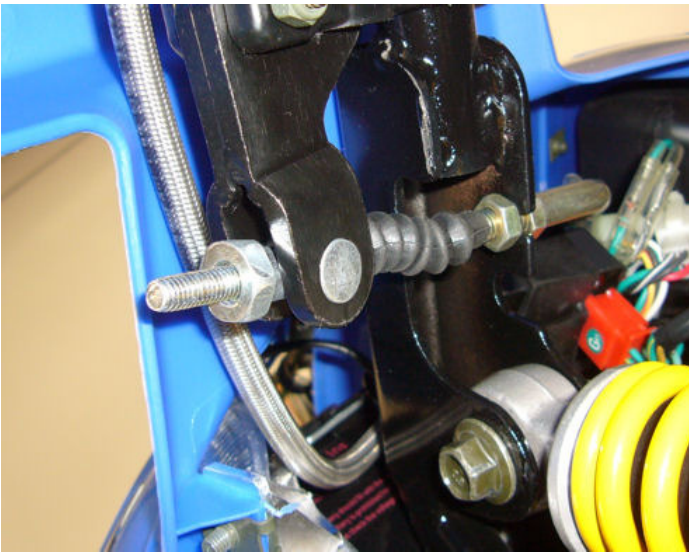
Step16-Fig1-Throttle cable free-play adjustment



Step16-Fig2-Frt brake adjustment



Step16-Fig3-Rear brake cable free-play adjustment



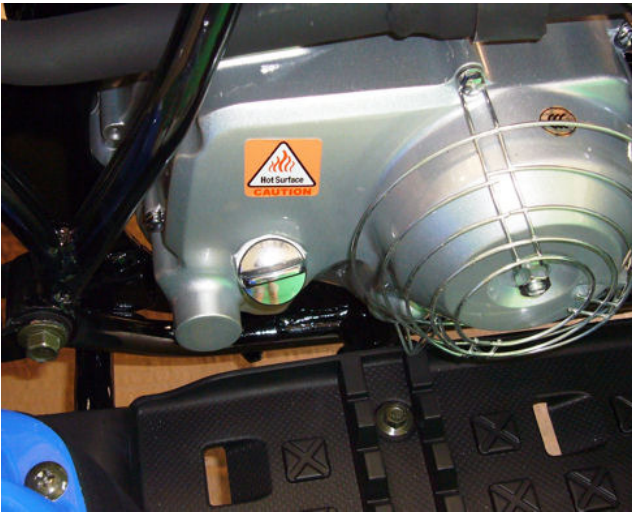
Step16-Fig4-Rear Brake adjustment

17. Inspect all other critical nuts and bolts to see that they are secure even if you did not install them. Next, inspect headlight and brake light operation, where applicable.

18. Add fuel, turn fuel valve to ON position and inspect for leaks. Install gas cap on fuel tank and run vent hose in front of tank, down and away from rider to direct vented fumes below. Inspect oil level in engine crankcase and brake fluid level in master cylinder reservoir.



Step18-Fig1-Fuel vent hose



Step18-Fig2-Oil fill location

**Step18-Fig3-Brake fluid reservoir**

19. **IMPORTANT!** To start ATV, make sure parking brake is set, move choke lever to closed position, hold front brake lever in, turn ignition key to on position, flip start switch to run, push yellow start button to engage starter. If engine does not spin over it may be necessary to push the “energize button” on the remote kill switch, watch for the RED light on the remote, then engage starter button.

**Step19-Fig1-Remote kill switch**

20. After ATV is started, closely inspect for any fuel or oil leaks. Confirm that parking brake holds adequately with moderate power applied.

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